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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Artcle 36 and Rule 70)

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Applicant's or agent's file reference PALGE03248	FOR FURTHER ACTION SeeNotificationofTransmittalofInternationall Examination Report (Form PCT/IPEA/416) International filing date(day/month/year) Priority date (day/month/year) 17 JANUARY 2003 (17.01.2003)			
International application No. PCT/KR2003/000109			Priority date (day/month/year)	
International Patent Classification (IPC) IPC7 C08G 18/00	or national classification and IP	С		
Applicant LG ELECTRONICS INC. et a	al			
This international preliminary ex and is transmitted to the applicant This REPORT consists of a total of	according to Article 36.			iining Authority
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).				
These annexes consist of a total	ofsheets.			
I Basis of the report II Priority III Non-establishment of IV Lack of unity of inv	of opinion with regard to novelt	γ, inventive step ε	and industrial applicability	
Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement VI Certain documents cited				
VII Certain defects in the international application VIII Certain observations on the international application				
Date of submission of the demand	Date	of completion o	f this report	
11 AUGUST 2004 (11.08.2004)	03 MAY 200	05 (03.05.2005)	
Name and mailing address of the IPEA/ Korean Intellectual Property 920 Dunsan-dong, Seo-gu, Republic of Korea	y Office	norized officer BAHN, Yong I	Byung	
Feesimila No. 92-42-472-7140		phone No. 82-4	2_481_5539	Almonton (Such

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International aplication No. PCT/KR2003/000109

I. Basi	s of the report					
1. With	1. With regard to the elements of the international application:*					
	the international application as originally filed					
	the description:					
	pages	, as originally filed				
Ì	pages, filed with the letter of	, filed with the demand				
	the claims:					
🏳	pages	_ , as originally filed				
	pages, as amended (together with an	y statment) under Article 19				
	pages, filed with the letter of	, filed with the demand				
	the drawings:					
	pagespages	_ , as originally filed				
ļ		, filed with the demand				
	pages, filed with the letter of, the sequence listing part of the description:	· · · · · · · · · · · · · · · · · · ·				
ا ا	pages	, as originally filed				
۱. ·	pages	, filed with the demand				
	pages filed with the letter of					
2. Wi	th regard to the language, all the elements marked above were available or furnished to this Auth	ority in the language in which				
the	international application was filed, unless otherwise indicated under this item.	•				
The	ese elements were available or furnished to this Authority in the following language <u>Engl</u>					
	the language of a translation furnished for the purposes of international search (under Rule 23.1/b)).					
	the language of publication of the international application (under Rule 48.3(b)).					
	the language of the translation furnished for the purposes of international preliminary exam or 55.3).	ination(under Rules 55.2 and/				
	3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:					
	contained inthe international application in written form.	•				
	filed together with the international application in computer readable form.					
	furnished subsequently to this Authority in written form.					
	furnished subsequently to this Authority in computer readable form					
	The statement that the subsequently furnished written sequence listing does not go beyond the disc losure in the international applicationas as filed has been furinshed.					
	The statement that the information recorded in computer readable form is identical to the been furnished.	written sequence listing has				
4.	The amendments have resulted in the cancellation of:					
	the description, pages	•				
	the claims, Nos.					
6	the drawings, sheets					
5.	This report has been established as if (some of) the amendments had not been made, since they have been congo beyond the disclosure as filed, as indicated in the Supplemental Box(Rule 70.2(c)).**					
in th	lacement sheets which have been furnished to the receiving Office in response to an invitation us is opinion as "originally filed." and are not annexed to this report since they do not contain 70.17).	nder Article 14 are referred to a amendments (Rules 70.16				
** Any	replacement sheet containing such amendments must be referred to under item I and annexed t	to this report.				

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V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1.	Statement					
	Novelty (N)	Claims	1-3			<u>Y</u> ES
		Claims	NONE			NO
	Inventive step (IS)	Claims	1-3		, .	YES
i	• • •	Claims	NONE			NO
	Industrial applicability (IA)	Claims	1-3			YES
		Claims	NONE			NO

2. Citations and explanations (Rule 70.7)

Reference is made to the following document:

D1: US 5,840,781 A (Bayer Aktiengesellschaft)

The present invention according to claims 1-3 relates to a composition for preparing polyurethane foam having improved adhesive strength, and a rigid polyurethane foam made therefrom is provided. The composition is prepared using a cyclopentane system as a physical blowing agent and suitably adjusting the kind and content of polyols having low viscosity. The combination of polyols makes the most direct influence on the increase of the adhesive strength and the silicon-active agent improves a mixing efficiency in mixture having very low mutual solubility and stabilizes a cell by inhibiting irregular formation and growth of air foam.

Document D1 cited in the search report, which is regarded as the closest prior art, discolses a polyether polyols formulation and their use in production of hard polyurethane foams. The polyol formulation includes a sucrose-based polyether polyol having an OH number of from about 350 to about 500, and contains cyclopentane as a blowing agent.

Comparing the present invention with D1, the subject matter of claims 1-3 differs in the combination of three polyols having low viscosity. As a result, in the specific kind and content of polyols and other ingredients used, improved adhesive strength can be obtained.

Therefore, the subject matter of claims 1-3 is considered to be novel, to involve an inventive step and to be industrially applicable.

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International aplication No.

INTERNATIONALI REMAINANT ERRAIMATION	PCT/KR2003/000109				
VII. Certain defects in the international application					
The following defects in the form or contents of the international application have been no	oted:				
In the detailed description and claims 1-2 of the present invention, the terminology of "polyisocyanate" should not be consistent throughout the international application. It was written by "polyisocianate". The requirement of Rule 10.2 PCT is, thus, not fulfilled.					
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